





# xComfort IKA SOLAR

## Prewired PV boards for quick installation

### Photovoltaic DC string boxes

- For inverters with 1 or 2 MPP tracker
- Degree of protection: IP65
- Protection class II, totally insulated
- Factory assembled by Eaton, ready to connect
- Direct mounting option on the wall
- Body color: RAL 7035 (grey), with transparent door
- Tested according to IEC 61439-2 Annex DD (PVA)

	Description	Type designation	Art. no.	PAK
<b>Photovoltaic string box with DC string circuit-breaker &amp; DC surge arrester</b>				
	PV string: 1xIN + 1xOUT Rated current InA = 1x 19.5 A Rated operational voltage Ue = 900 V DC Surge protection class: Type 2 For indoor installation	IKA-SOL20-X11-PKZ-T2-1/8-VM-A	EP-501983	1
	Box with cable glands (direct connection to devices) Box with MC4 connectors	IKA-SOL20-X11-PKZ-T2-1/8-MC4-A	EP-501984	1
	PV string: 2xIN + 2xOUT Rated current InA = 2x 20 A Rated operational voltage Ue = 900 V DC Surge protection class: Type 2 For indoor installation	IKA-SOL20-X22-PKZ-T2-1/18-VM-A	EP-501985	1
	Box with cable glands (direct connection to devices) Box with MC4 connectors	IKA-SOL20-X22-PKZ-T2-1/18-MC4-A	EP-501986	1
<b>Photovoltaic string box with DC surge arrester</b>				
	PV string: 1xIN + 1xOUT Rated current InA = 1x 19.5 A Rated operational voltage Ue = 1000 V DC Connector type: MC4 For outdoor installation without solar radiation	IKA-SOL20-X11-T2-1/8-MC4-B	EP-501987	1
	Box with surge protection class: Type 2 Box with surge protection class: Type 1+2	IKA-SOL20-X11-T2-1/8-MC4-B	EP-501988	1
	PV string: 2xIN + 2xOUT Rated current InA = 2x 19.5 A Rated operational voltage Ue = 1000 V DC Connector type: MC4 For outdoor installation without solar radiation	IKA-SOL20-X22-T2-1/8-MC4-B	EP-501989	1
	Box with surge protection class: Type 2 Box with surge protection class: Type 1+2	IKA-SOL20-X22-T2-1/8-MC4-B	EP-501990	1
<b>Accessories &amp; replacement parts</b>				
	Lock insert with 2 keys, keyed alike	LOCK-KIT-IKA	174166	1
	Locking bolt, insulating material, sealable	BOLT-IKA	174178	20
	Hinge made of insulating material	HINGE-IKA	174186	20
	Lock consisting of locking unit and logo clip	ETN-IKA	174185	10
	Cap to cover the wall mounting holes	HCAP-IKA	174167	20
	Transparent door, 8 MU, incl. locking	DOOR-1/8-T-IKA	174181	1
	Transparent door, 18 MU, incl. locking	DOOR-1/18-T-IKA	174224	1
	Mounting-rail Compatible with 86 mm high devices SPPV...T12...	TS-1/8-T12-IKA	EP-501991	1
	Set of MC4 connectors, 1 x female + 1 x male	MC4-ENCL-SET	EP-501992	1
	Metric cable glands with lock nut and integrated strain relief, grey M20 cable entry	V-M20	206910	20
	Blanking-strip, grey, fine-ribbed, 12 MU	BS-12MF-GY	178980	20
	Replacement insert +/- for surge arrester SPPVRT12-10-2+PE	SPPVRT12-10-INSERT	EP-501958	1
	Replacement insert PE for surge arrester SPPVRT12-10-2+PE	SPPVRT12-10-INSERT-PE	EP-501959	1
	Replacement insert +/- und PE for surge arrester SPPVRT2-10-2+PE	SPPVRT2-10-INSERT	EP-501968	1
	Triangular key 8 mm	NWS-SL/3K/8	255313	1



Powering Business Worldwide

## DC SPDs for photovoltaic systems

	$U_{CPV}$ (Voltage per MPPT)	Test class	Type designation	Art. no.	Units per package (Pcs.)
<b>Test class 1 and 2 combined SPD for DC applications</b>					
	<b>-AX type with integrated auxiliary contact</b>				
	600 V	T12	SPPVRT12-06-2+PE	EP-501952	1
	600 V	T12	SPPVRT12-06-2+PE-AX	EP-501953	1
	<b>Replacement inserts for SPPVRT12-06-2+PE(-AX)</b>				
	(+) / (-) / PE		SPPVRT12-06-INSERT	EP-501954	1
	<b>-AX type with integrated auxiliary contact</b>				
	1000 V	T12	SPPVRT12-10-2+PE	EP-501955	1
	1000 V	T12	SPPVRT12-10-2+PE-AX	EP-501956	1
	<b>Replacement inserts for SPPVRT12-10-2+PE(-AX)</b>				
	(+) / (-)		SPPVRT12-10-INSERT	EP-501958	1
	PE		SPPVRT12-10-INSERT-PE	EP-501959	1
	<b>AX type with integrated auxiliary contact</b>				
	1500 V	T12	SPPVRT12-15-2+PE	EP-501960	1
	1500 V	T12	SPPVRT12-15-2+PE-AX	EP-501961	1
	<b>Replacement inserts for SPPVRT12-15-2+PE(-AX)</b>				
	(+) / (-) / PE		SPPVRT12-15-L-INSERT	EP-501964	1
<b>Test class 1 and 2 combined 2 MPPT SPD for DC applications</b>					
	<b>-AX type with integrated auxiliary contact</b>				
	1100 V	T12	SPPVRT12-10-4+PE+AX	EP-501957	1
	<b>Replacement inserts for SPPVRT12-10-4+PE+AX</b>				
	(+) / (-)		SPPVRT12-10-4-INSERT	EP-501962	1
	PE		SPPVRT12-10-4-PE-INSERT	EP-501963	1
<b>Test class 2 SPD for DC applications</b>					
	<b>-AX type with integrated auxiliary contact</b>				
	600 V	T2	SPPVRT2-600-2+PE	EP-501972	1
	600 V	T2	SPPVRT2-600-2+PE-AX	EP-501973	1
<b>Replacement inserts for SPPVRT2-600-2+PE(-AX)</b>					
	(+) / (-) / PE		SPPVRT2-06-INSERT	EP-501965	1
	<b>-AX type with integrated auxiliary contact</b>				
	1000 V	T2	SPPVRT2-10-2+PE	EP-501966	1
	1000 V	T2	SPPVRT2-10-2+PE-AX	EP-501967	1
<b>Replacement inserts for SPPVRT2-10-2+PE(-AX)</b>					
	(+) / (-) / PE		SPPVRT2-10-INSERT	EP-501968	1
	<b>-AX type with integrated auxiliary contact</b>				
	1500 V	T2	SPPVRT2-15-2+PE	EP-501969	1
	1500 V	T2	SPPVRT2-15-2+PE-AX	EP-501970	1
<b>Replacement inserts for SPPVRT2-15-2+PE(-AX)</b>					
	(+) / (-) / PE		SPPVRT2-15-INSERT	EP-501971	1

Changes to the products, to the information contained in this document, and to prices are reserved; as are errors and omissions. Only order confirmations and technical documentation by Eaton is binding. Photos and pictures also do not warrant a specific layout or functionality. Their use in whatever form is subject to prior approval by Eaton. The same applies to trademarks (especially Eaton, Moeller, and Cutler-Hammer). The Terms and Conditions of Eaton apply, as referenced on Eaton Internet pages and Eaton order confirmations.

**Eaton**  
EMEA Headquarters  
Route de la Longeraie 7  
1110 Morges, Switzerland  
Eaton.com

© 2023 Eaton  
All Rights Reserved  
Publication No. FL019006EN  
September 2023

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

